

Appl. No. 10/537,544
Amdt. dated August 23, 2007
Reply to Office action of May 25, 2007

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-8. (Canceled)

9. **(Currently amended)** A check valve, ~~in particular~~ for a high-pressure pump of a fuel injection system for an internal combustion engine, comprising a one piece valve housing (40) adapted to be inserted into a receptacle (34) in a pump housing part, a pistonlike valve member (60) guided longitudinally displaceably in the valve housing (40), which valve member cooperates with a valve seat (48) embodied on the valve housing (40), the valve member (60) being urged in the closing direction by a prestressed closing spring (70) and in the opening direction by the pressure prevailing in an inlet ~~(44a)~~ (38), the valve member (60) being inserted into the valve housing (40) from the side of the valve seat (48), the valve housing (40) being cup-shaped and having both a bottom (42) and a jacket region that has a recess (41); the valve housing (40) pointing, with the open end of its recess (41), out of the receptacle (34); the valve seat (48) being located on the bottom (42) of the valve housing (40), facing away from the recess (41); **and** the valve member (60) protruding with a shaft (62) through a bore (44b) in the bottom (42) into the recess (41) in which the closing spring (70) is located[[.]]; **and the check valve including at least one inlet conduit (50) extending**

through the valve housing (40), wherein the at least one inlet conduit (50) discharges at least approximately at a tangent into a bore (44a) surrounding the valve member (60).

10. **(Previously presented)** The check valve according to claim 9, wherein the closing spring (70) is braced on one side on the inside of the bottom (42), pointing into the recess (41), and on the other on a spring plate (72) connected to the shaft (62) of the valve member (60).
11. **(Previously presented)** The check valve according to claim 9, wherein the recess (41) of the valve housing (40) is closed, on its end facing away from the bottom (42), by a cap (78).
12. **(Previously presented)** The check valve according to claim 10, wherein the recess (41) of the valve housing (40) is closed, on its end facing away from the bottom (42), by a cap (78).
13. **(Previously presented)** The check valve according to claim 11, wherein the recess (41) of the valve housing (40) communicates with an inlet region (52) of the check valve (30).
14. **(Previously presented)** The check valve according to claim 12, wherein the recess (41) of the valve housing (40) communicates with an inlet region (52) of the check valve (30).
15. **(Canceled)**

16. (Currently amended) ~~The check valve according to claim 15~~ A check valve for a high-pressure pump of a fuel injection system for an internal combustion engine, comprising a one piece valve housing (40) adapted to be inserted into a receptacle (34) in a pump housing part, a pistonlike valve member (60) is guided longitudinally displaceably in the valve housing (40), which valve member cooperates with a valve seat (48) embodied on the valve housing (40), and the valve member (60) being urged in the closing direction by a prestressed closing spring (70) and in the opening direction by the pressure prevailing in an inlet (38), the check valve including at least one inlet conduit (50) extending through the valve housing (40), which at least one inlet conduit discharges in such a way into a bore (44a) surrounding the valve member (60) that the longitudinal axis (51) of the at least one inlet conduit (50) does not intersect the longitudinal axis (45) of the bore (44a) surrounding the valve member (60), wherein the at least inlet conduit (50) discharges at least approximately at a tangent into the bore (44a) surrounding the valve member (60).

17. (Currently amended) ~~The check valve according to claim 15~~ A check valve for a high-pressure pump of a fuel injection system for an internal combustion engine, comprising a one piece valve housing (40) adapted to be inserted into a receptacle (34) in a pump housing part, a pistonlike valve member (60) is guided longitudinally displaceably in the valve housing (40), which valve member cooperates with a valve seat (48) embodied on the valve housing (40), and the valve member (60) being urged in the closing direction by a prestressed closing spring (70) and in the opening direction by the pressure prevailing in an inlet (38), the check valve including at least one inlet conduit (50) extending through the

valve housing (40), which at least one inlet conduit discharges in such a way into a bore (44a) surrounding the valve member (60) that the longitudinal axis (51) of the at least one inlet conduit (50) does not intersect the longitudinal axis (45) of the bore (44a) surrounding the valve member (60), wherein the at least one inlet conduit (50) has a noncircular cross section.

18. **(Previously presented)** The check valve according to claim 16, wherein the at least one inlet conduit (50) has a noncircular cross section.

19. **(Canceled)**

20. **(Previously presented)** The check valve according to claim 16, wherein the valve member (60) has a constriction in its region (66) surrounded by the bore (44a).

21. **(Previously presented)** The check valve according to claim 17, wherein the valve member (60) has a constriction in its region (66) surrounded by the bore (44a).

22. **(Previously presented)** The check valve according to claim 18, wherein the valve member (60) has a constriction in its region (66) surrounded by the bore (44a).